

RESEARCH

(CONTINUED FROM PAGE 13)
 In charge of a number of important feeding and breeding experiments with the Ayrshire herd at the Experimental Farm.

W. N. BLACK
 W.N. Black is a native of St. Martins, New Brunswick. He attended Prince of Wales College, Charlottetown, for three years. He spent two years at the College of Agriculture, Truro, N.S. and received his degree of B. Sc. from Macdonald College, Quebec. Mr. Black is also a graduate of the Royal Canadian Naval College, Esquimalt, B.C. 1941.

As a student he was employed in the Division of Forage Plants and Field Husbandry, Experimental Station, Charlottetown during the summer seasons of 1935, 36 and 37; Division of Forage Plants, Ottawa, 1938; Division of Illustration Stations, Ottawa and Kentville, N.S. 1939. He was appointed Supervisor of Illustration Stations, Experimental Farm, Charlottetown in 1940. He was absent on Military service with the Royal Canadian Navy Voluntary Reserve, August 1941 to January 1942.

On the Illustration Stations, Mr. Black has conducted many experiments dealing with the economic use of commercial fertilizers, pasture management, weed control etc. An important feature of his work has been the holding of Field Days on the Illustration Stations each year when neighbouring farmers and Research Officers from the Experimental Farm have an opportunity to discuss problems concerning agricultural production.

Mr. Black is a member of the Agricultural Institute of Canada, the Canadian Society of Agronomy and the Naval Officers' Association of Canada.

DOUGLAS MUNRO

Mr. Douglas Munro, of Saskatoon, has recently been appointed Research Officer in Soil Fertility at the Experimental Farm, Charlottetown.

Mr. Munro is a native of Saskatchewan, having been born on a wheat farm at Renova. He received his B.S.A. and M. Sc. degrees from the University of Saskatchewan and worked three years in the Soil Research Laboratory at Swift Current.

Mr. Munro replaces Mr. Graeme Boswall who resigned two years ago to accept a position with the Imperial Tobacco Company of Canada. Mr. Munro will work in close collaboration with G.B. Whiteside, K.E. Lelacheur and W.N. Black on Soil Research problems of the Province.

GORDON C. WARREN

Gordon C. Warren was born in Charlottetown, P.E.I. May 22, 1901 and received his B.S.A. degree from the University of Toronto in 1927. During his undergraduate years, he was employed in various capacities at the Experimental Farm, Charlottetown and after graduation was on the staff of Acadia University Wolfville, N.S. from 1929 to 1931. In 1931 he returned to the Experimental Farm, Charlottetown as graduate assistant in horticulture and received his appointment as Research Officer in Horticulture in 1936.

Mr. Warren has been actively associated with research work connected with the processing industry and with the development of native fruits. He is also carrying on extensive testing and research programs with potatoes and cucumbers and is chairman of the Maritime Regional Potato Research Committee. A few of the other organizations to which Mr. Warren belongs are as follows: member of Agricultural Institute of Canada, member of Professional Institute of the Public Service of Canada; Director, P.E.I. Rural Beautification Society; Associate member, Canadian Seed Growers Association, and member Canadian Society of Horticultural Science.

Grass Crops Are Favored

In Eastern Canada, grassland farming predominates because of the cool moist climate. In the four Maritime provinces, approximately 85 per cent of the crop land is devoted to hay and pasture. In the provinces of Quebec and Ontario, 70 per cent of the 27,000,000 acres of crop land are in hay and pasture, 24 per cent in grain crops—quite a contrast to Western Canada.

The high proportion of grass and legumes in Eastern Canada is the basis for dairy and beef production—a mixed livestock system good conservation farming. The ten of farming—which in itself usual four-year crop rotation keep the land under hay and pasture for two years, which is sound conservation practice. However, much of the grassland is left down for a number of years. As a result, large areas become infested with weeds and the soil drops in fertility. Overgrazing pastures do not prevent soil and water loss.

Experiments have proven that, under good management, the carrying capacity of old pastures can be doubled by ploughing, fertilizing and reseeding to a mixture of improved strains of grasses and legumes.

More grass-legume mixtures are needed in rotation to improve the soils and crop yields in the cash crop areas of Eastern Canada, i.e. South-western Ontario, the vegetable and fruit areas, and the potato-producing regions of the Maritimes.

Improved grassland farming in Eastern Canada in turn will increase yields of home-grown grains, which are not high at present.



THE LEAD COW in the Clark herd lifts her head from grazing bossy on the run to the barn and normally calls for all the rest of the cattle to follow. It would not be well for any of the younger cows to try to usurp the position of this lead cow.

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Wherever you go, too, you find housewives comparing the potatoes offered by local stores with potatoes from Prince Edward Island. Some may claim to find potatoes that are "as good as" P.E.I.'s . . . nobody hopes to find potatoes that are "better."

The P.E.I. Experimental Farm has played its part in the evolution of Island agriculture, which has resulted in such high standards of quality, and we extend our congratulations to the Superintendent and his staff. But the Experimental Farm would have accomplished little if Island farmers had not accepted the experimental data and applied it.

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Out of a herd of 35-40 cattle Walter usually milks 17-18. They have been lifelong patrons of nearby North Wiltshire Dairyming Company.

The Clark herd has been annually shown at the provincial exhibition and has taken honours both on the Island and at Amherst Winter Fair.

SURPLUS FEED
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addition to this he grows 50 acres of hay. The Clarks grow only enough potatoes for their own use. They grow a couple of acres of turnips.

Walter Clark believes dairy farming is the surest source of income for a farmer on Prince Edward Island. He admits that there is little time left for going places, but he is compensated by the thought that a farmer is his own boss and what he makes is his own.

Dairy farming would be a lot more profitable says Mr. Clark if the feeding season were shorter. He points out that cattle housed from the first of November until the end of May add greatly to the cost of operation and the work involved.

STUCK WITH CIDER
 SARK, Channel Islands (CP)—John Peree was fined £5 for being drunk in charge of a tractor and trailer on this island where tractors are the only vehicles allowed. The judge ordered that "in future he must be served only with cider."

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